



**Federal Communications Commission
Office of Engineering and Technology
Laboratory Division**

August 22, 2016

OVERVIEW OF REVISED RULES FOR U-NII DEVICES

The Commission initially revised the rules for U-NII devices in 2014 (FCC 14-30, ET Docket No. 13-49). Subsequently, the Commission updated some of the rules for devices operating in the U-NII-3 band on March 2, 2016 (FCC 16-24, ET Docket No. 13-49; referred to in this document as “New Rules”). The new rules are now effective. The attached KDB publications have been prepared to provide guidance for demonstrating compliance with the new U-NII rules. The Commission has established a transition period, during which devices may be approved under different rules subject to the following conditions:

- All new devices or already approved devices seeking to add operations under Part 15 Subpart E must meet the requirements of the “New Rules”.
- For new devices or already approved devices to add operations in the U-NII bands, the devices must be approved using the procedures described below.
- Permissive changes will not be permitted in any of the U-NII bands for devices approved under the “Old Rules”, unless they meet the requirements of the “New Rules” and have been tested using procedures described in Section B below.
- Devices approved partially or completely under the “Old Rules” cannot be marketed unless they meet the requirements of the “New Rules” for all U-NII bands of operation.
- For additional information on general requirements for devices, refer to KDB Publication 926956.
- Grants for certification for devices under the new rules must clearly include note code 38, 39, 48 or 49 as appropriate.

OVERVIEW OF RELATED KDB PUBLICATIONS

Applications for new devices and permissive change applications for devices based on the new U-NII rules must use the following specific procedures:

- KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02 is used for all master devices including devices operating in bridge modes, mesh configurations, hotspot modes, etc. under the new rules. The frequency selection procedures for Bin 5 radars have been updated.
- KDB 789033 D02 General UNII Test Procedure New Rules is used to demonstrate compliance

with overall EMC standards.

- KDB 905462 D03 UNII Clients Without Radar Detection New Rules is used to demonstrate compliance with overall EMC standards. It is a re-designation of previous KDB Publication 848637.
- KDB 905462 D04 Operational Modes for DFS Testing New Rules is used for test modes for DFS master devices. It is a re-designation of previous KDB Publication 594340.
- KDB 594280 D01 Software Configuration Control for non-SDR devices.
- KDB 594280 D02 U-NII Device Security Guidance is used for submitting software security information subject to the new rules.
- KDB 905462 D06 802.11 Channel Plans New Rules is the channel plan under the new rules.

Change Notice

04/08/2016: 905462 D07 Overview UNII Rules v01 has been replaced by 905462 D07 Overview UNII Rules v01r01. Modified transition date for U-NII-3 band.

08/22/2016: 905462 D07 Overview UNII Rules v01r01 has been replaced by 905462 D07 Overview UNII Rules v02 to reflect that the old rules can no longer be applied.